

ABSTRACT

NESTED TRANSIMPEDANCE AMPLIFIER

A transimpedance amplifier comprises a first operational amplifier having an input and an output. A second operational amplifier has an input and an output that communicates with the input of the first operational amplifier. A first feedback element has one end that communicates with the input of the first operational amplifier and another end that communicates with the output of the first operational amplifier, wherein the first feedback element comprises a first capacitance. A second feedback element communicates with the input of the first operational amplifier and another end that communicates with the output of the first operational amplifier.

FIG. 39A



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